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(71) Applicant (for all designated States except US): **THOMSON LICENSING S.A.** [FR/FR]; 46, Quai A. Le Gallo, F-92100 Boulogne Billancourt (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GESQUIERE, Lieven** [BE/BE]; Elisabethstraat 28, B-2880 BORNEM (BE). **CLAES, Stan** [BE/BE]; F de Merodestraat 75/1, B-2800 MECHELEN (BE). **VAN DE POEL, Dirk** [BE/BE]; Mercatorstraat 116, B-2018 Antwerpen (BE).

(74) Agent: **KERBER, Thierry**; THOMSON, European Patent Operations, 46, quai Alphonse le Gallo, F-92648 Boulogne (FR).

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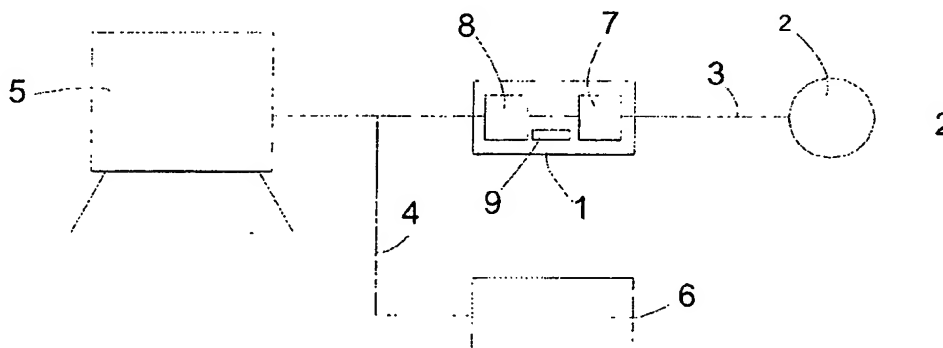
- as to the identity of the inventor (Rule 4.17(i)) for all designations
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(54) Title: **DSL MODEM AND METHOD FOR ESTABLISHING A DATA TRANSFER MODE THEREFORE**



(57) Abstract: A modem (1) for interconnecting a DSL line (3) and a local bus (4) comprises a DSL interface (7) adapted to send and receive data on the DSL line (3) at a DSL bandwidth selected from a first set of bandwidths, and a local bus interface (8) adapted to operate at a local bus bandwidth selected from a second set of bandwidths so as to match the DSL bandwidth. In a first operating mode, the modem reserves as much as possible of a predetermined local bus bandwidth (MAXUSB) and then synchronizes the DSL line to a matching mode. In a second operating mode, the modem synchronizes the DSL line to a predetermined bandwidth and then reserves a matching local bus bandwidth or, if impossible, adopts a bulk transfer mode.

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## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/50206

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 G06F13/38 H04M11/06

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 102 171 A (TEXAS INSTRUMENTS INC) 23 May 2001 (2001-05-23) abstract paragraph '0079! - paragraph '0080! paragraph '0042! - paragraph '0046! paragraph '0067! - paragraph '0069! -----	1-19
A	US 6 021 129 A (LAUFFENBURGER KENNETH A ET AL) 1 February 2000 (2000-02-01) abstract column 7, line 47 - line 61 column 5, line 40 - column 6, line 9 -----	1-19

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Mikkelsen, C

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# INTERNATIONAL SEARCH REPORT

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1102171	A	23-05-2001	EP 1102171 A2	23-05-2001
			JP 2001318876 A	16-11-2001
US 6021129	A	01-02-2000	AU 4007200 A	28-09-2000
			WO 0054546 A1	14-09-2000